

Errata sheet dated April 5, 2001
Correction to formula for *Network pressure compensation for fittings*

I. INTRODUCTION AND SPECIFICATIONS

This Private Onsite Wastewater Treatment System (POWTS) component manual provides design, construction, inspection, operation, and maintenance specifications for a pressure distribution component. However, these items must accompany a properly prepared and reviewed plan acceptable to the governing unit to help provide a system that can be installed and function properly. Violations of this manual constitute a violation of chs. Comm 83 and 84, Wis. Adm. Code. The design provides equal distribution of effluent from a dose tank into a distribution cell of a soil treatment or dispersal component. To ensure that equal distribution is achieved, specifications in Tables 1, 2, and 3 must be met.

Note: Detailed plans and specifications must be developed and submitted for review and approval by the governing unit having authority over the plan for the installation. Also, a Sanitary Permit must be obtained from the department or governmental unit having jurisdiction. See Section XI for more details.

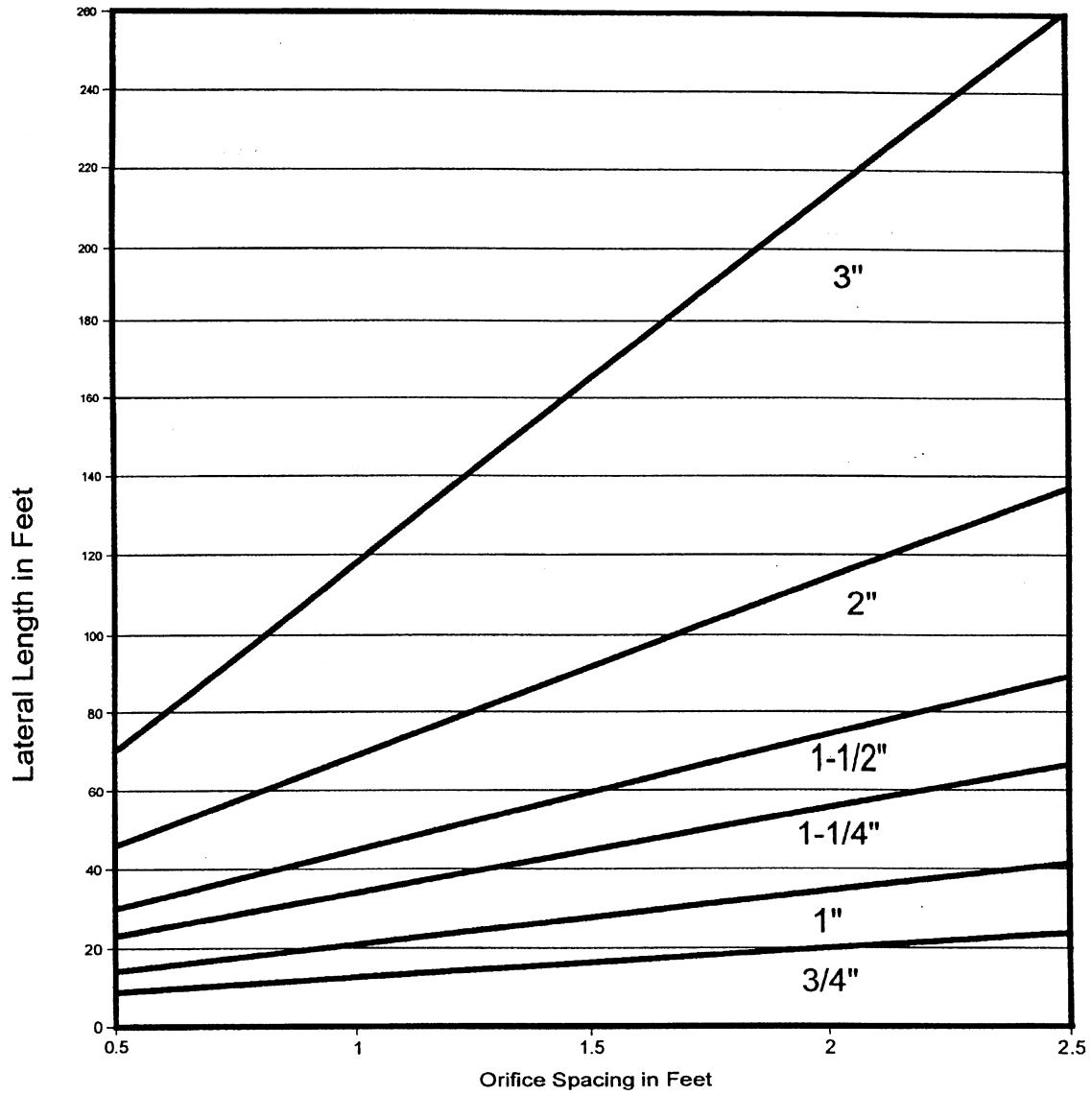
Table 1 FLOWS AND LOADS	
Design Wastewater Flow (DWF)	≤ 5000 gal/day
Number of effluent doses	Must conform to the requirements of the receiving component design.
Wastewater particle size	≤ 1/8 inch diameter
Volume of a single dose to a distribution cell	≥ 5 times the void volume of the distribution lateral(s) and ≤ 20% of the Design Wastewater Flow
Head pressure at distal end of lateral(s)	≥ 2.5 ft. for 1/4 and 3/16 inch orifices, ≥ 3.5 ft. for 5/32 inch orifices, and ≥ 5 ft. for 1/8 inch orifices
Network pressure compensation for fittings	= Distal head pressure x 30 percent
Flow velocity in force main and manifold	≥ 2 ft/sec and ≤ 10 ft/sec

Table 2 SIZE AND ORIENTATION	
Diameter of force main	≤ 6 inch
Diameter of manifold	≥ 1-1/4 inch, but not > 3 inch
Diameter of lateral	≥ 3/4 inch, but not > 3 inch
Diameter of discharge orifice	= 1/8, 5/32, 3/16 or 1/4 inch
Distance between laterals	≤ 4 feet within same cell
Distance from lateral to edge of distribution cell	≤ 1/2 the distance between laterals, but not > 2 feet
Distance from discharge orifice to end of distribution cell	≥ 6 inches, but not > 2 feet

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Correction to *Minimum Lateral Diameters on Graph 3*

Graph 3

Minimum Lateral Diameter Based on Orifice Spacing for 5/32" Diameter Orifices



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Correction to *Minimum Lateral Diameters on Graph 4*

Graph 4

